DETECTION ARRANGEMENT FOR THE DETECTION OF A CROP JAM IN A HARVESTING MACHINE

Abstract of the Disclosure

A self-propelled forage harvester includes an overload clutch inserted into the driveline of a crop conveying element of crop pick-up arrangement of the harvesting machine. The overload clutch generates acoustic and/or mechanical vibrations when a defined torque is exceeded, and a knock sensor is provided for sensing when the overload clutch is operating in an overloaded condition. The knock sensor sends a signal to a control arrangement including a signal processor which recognizes a vibration pattern representative of an overload, and in response to such a pattern, sends a control signal for shutting off the drive to various driven components of the harvester.

Assignment

The entire right, title and interest in and to this application and all subject matter disclosed and/or claimed therein, including any and all divisions, continuations, reissues, etc., thereof are, effective as of the date of execution of this application, assigned, transferred, sold and set over by the applicant(s) named herein to Deere & Company, a Delaware corporation having offices at Moline, Illinois 61265, U.S.A., together with all rights to file, and to claim priorities in connection with, corresponding patent applications in any and all foreign countries in the name of Deere & Company or otherwise.